

# Converting Colors

$Y_{xy}(100.0000, 0.3412, 0.3475)$

Have a look what the booklet for  
Yxy(100.0000, 0.3412, 0.3475)  
contains.

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# Color

**Yxy(96.0239, 0.3272, 0.3485)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFBE7
RGB	255, 251, 231
RGB Percent	100%, 98%, 91%
CMY	0.0000, 0.0156, 0.0943
CMYK	0.00, 0.02, 0.09, 0.00
HSL	50°, 100%, 95%
HSV	50°, 9%, 100%
XYZ	90.1550, 96.0239, 89.3560
YIQ	249.9160, 8.8040, -5.3720

# Conversions

## Conversions Part 2

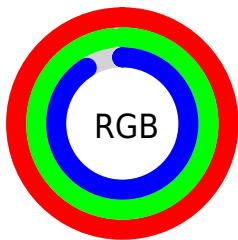
Format	Color
<b>R<sub>YB</sub></b>	236, 255, 231
Decimal	16776167
CIE Lab	98.44, -2.01, 10.07
CIE LCh	98, 10.264, 101.310
Yxy	96.0239, 0.3272, 0.3485
Android (android.graphics.Color)	4294966247 (0xFFFFBE7)
YUV	249.9160, -9.3256, 4.4587
Hunter-Lab	97.9918, -7.2610, 14.5294

# Details

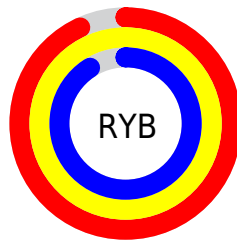
The Yxy color 96.0239, 0.3272, 0.3485 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 83.5891, 0.2980, 0.3087, and the grayscale version is 95.5985, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.1311, 0.3303, 0.3538 is the 20% darker color. If you saturate the color by 10%, you get 92.0792, 0.3435, 0.3699, and if you desaturate by 10%, it is 99.9990, 0.3127, 0.3290.

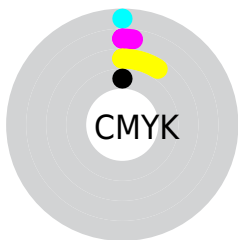
# Distribution



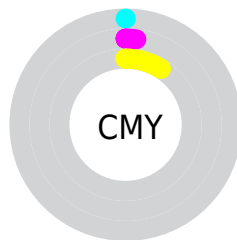
- Red (100%)
- Green (98%)
- Blue (91%)



- Red (93%)
- Yellow (100%)
- Blue (91%)



- Cyan (0%)
- Magenta (2%)
- Yellow (9%)
- Black (0%)




- Cyan (0%)
- Magenta (2%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 96.0239, 0.3272, 0.3485 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 96.0239, 0.3272, 0.3485 by changing the saturation by 10% instead.



 96.0239, 0.3272,  
0.3485

 96.0239, 0.3272,  
0.3485


547.4377, 0.3208,  
0.3399

 72.9875, 0.3286,  
0.3504

155.6784, 0.3251,  
0.3456

 53.9657, 0.3302,  
0.3527

193.0653, 0.3242,  
0.3444

 38.5742, 0.3323,  
0.3555

236.0044, 0.3235,  
0.3434

 26.4287, 0.3349,  
0.3591

284.8801, 0.3228,  
0.3425

 17.1446, 0.3383,  
0.3638

340.0770, 0.3222,  
0.3418

 10.3377, 0.3429,  
0.3702

401.9792, 0.3217,

 5.6234, 0.3495,

0.3411

0.3796

470.9714, 0.3213,  
0.3404

■ 2.6175, 0.3597,  
0.3943

■ 0.9355, 0.4018,  
0.4479

■ 96.0239, 0.3272,  
0.3485

■ 96.0239, 0.3272,  
0.3485

■ 92.0792, 0.3435,  
0.3699

99.9990, 0.3127,  
0.3290

■ 88.3898, 0.3606,  
0.3916

■ 84.9497, 0.3779,  
0.4128

■ 81.7482, 0.3950,  
0.4325

■ 78.7732, 0.4110,  
0.4498

■ 76.0116, 0.4253,  
0.4637

■ 73.4482, 0.4371,  
0.4733

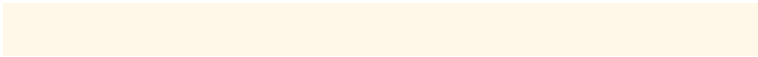
■ 71.0654, 0.4461,  
0.4782

■ 68.8358, 0.4523,  
0.4788

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.0239, 0.3337, 0.3442



96.0239, 0.3272, 0.3485



96.0239, 0.3168, 0.3475

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



96.0239, 0.3272, 0.3485



96.0239, 0.2914, 0.3214



96.0239, 0.3197, 0.3173

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



96.0239, 0.3272, 0.3485



83.5891, 0.2980, 0.3087

# Split Complementary

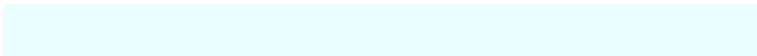
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.0239, 0.3083, 0.3114



96.0239, 0.3272, 0.3485



96.0239, 0.2921, 0.3135

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



96.0239, 0.3272, 0.3485



96.0239, 0.2962, 0.3316



96.0239, 0.2982, 0.3100



96.0239, 0.3294, 0.3262



# Rectangle

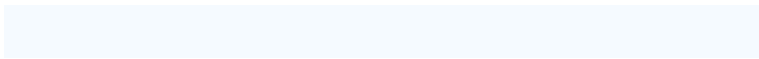
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96.0239, 0.3272, 0.3485



96.0239, 0.3092, 0.3438



96.0239, 0.2982, 0.3100



96.0239, 0.3160, 0.3149

# Sweetspot

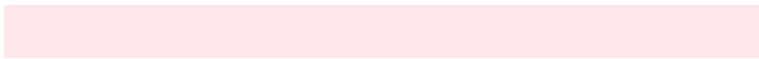
The Sweet Spot groups the original color and five complimentary colors.



96.0281, 0.3272, 0.3485



98.7106, 0.3172, 0.3351



84.3870, 0.3267, 0.3251



21.0553, 0.3184, 0.3368



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.0281, 0.3272, 0.3485



95.3925, 0.3297, 0.3518



97.0556, 0.3217, 0.3526



20.5479, 0.3273, 0.3487



36.0941, 0.4520, 0.4793



3.6445, 0.4477, 0.4828



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



83.5891, 0.2980, 0.3087



81.0308, 0.2954, 0.3051



82.6975, 0.3032, 0.3050



17.8641, 0.2979, 0.3085



4.7896, 0.1540, 0.0742

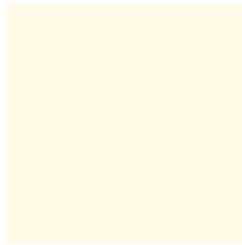


0.5969, 0.1588, 0.0918



# Previews

## White Background



This preview shows how the Yxy color 96.0239, 0.3272, 0.3485 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

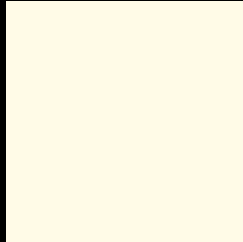
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 96.0239, 0.3272, 0.3485 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

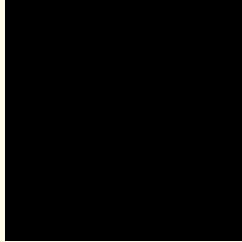
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 96.0239, 0.3272, 0.3485**

## **Background**



This preview shows how black text looks on a background with the Yxy color 96.0239, 0.3272, 0.3485.

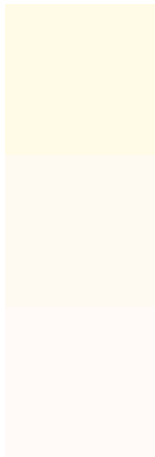


This preview shows how white text looks on a background with the Yxy color 96.0239, 0.3272, 0.3485.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

96.0239, 0.3272, 0.3485

### Protanopia

95.9821, 0.3212, 0.3377

### Deuteranopia

95.7887, 0.3171, 0.3300

## Tritanopia

95.8540, 0.3117, 0.3233

# Trichromacy



## Original Color

96.0239, 0.3272, 0.3485

## Protanomaly

95.7456, 0.3236, 0.3416

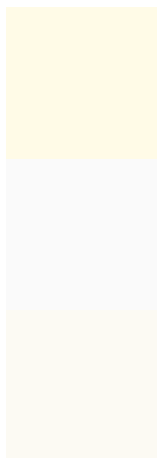
## Deuteranomaly

96.0420, 0.3206, 0.3367

## Tritanomaly

96.0959, 0.3176, 0.3329

# Monochromacy



## Original Color

96.0239, 0.3272, 0.3485

## Achromatopsia

95.5973, 0.3127, 0.3290

## Achromatomaly

95.5377, 0.3181, 0.3358

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  96.0239, 0.3272, 0.3485 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 251, 231)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 231)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 251, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 231) }
```

## Border

The CSS property to change the border of an element to Yxy 96.0239, 0.3272, 0.3485 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 251, 231) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 251, 231) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 251, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 231);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
231) }
```



# Background

The CSS property to change the background color of an element to Yxy 96.0239, 0.3272, 0.3485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 231) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
251, 231) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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